

# INSPECTION CHECKLIST - MUZZLE-LOADING CANNON ORDNANCE INSPECTION

Event Name: \_\_\_\_\_ Event Location: \_\_\_\_\_  
 Event Date(s): \_\_\_\_\_ Firing time(s): \_\_\_\_\_  
 Type of Artillery: \_\_\_\_\_ Number of Crew: \_\_\_\_\_  
 Name and contact number of person in charge: \_\_\_\_\_  
 Name and contact number of person completing form: \_\_\_\_\_  
 Upon inspection the piece may be used for the event (Yes/No): \_\_\_\_\_

| The Tube:                |  |
|--------------------------|--|
| <input type="checkbox"/> | Tube is clean and free of rust or corrosion.   |
| <input type="checkbox"/> | No sign of external damage or strains (bulges, cracks etc.)  |
| <input type="checkbox"/> | Inside of the bore is clean and relatively smooth.   |
| <input type="checkbox"/> | No internal signs of damage (lodgments, deep pits, etc.)   |
| <input type="checkbox"/> | No sign of damage at breech of the bore.   |
| <input type="checkbox"/> | On modern guns with liners, the liner is secure.   |
| <input type="checkbox"/> | The vent is clear and of acceptable size. Vents should be .20 inches <u>or larger</u> and free of cracks and rough crevices. Most smooth irregularities are acceptable, but vents should have no deep pitting or cracks. |
| <input type="checkbox"/> | No signs of cracks or bending around the trunnions.  |
| The Carriage:            |  |
| <input type="checkbox"/> | Wheels are tight and free of rot and insect infestation.   |
| <input type="checkbox"/> | Body of the carriage is free of rot and insect infestation.  |
| <input type="checkbox"/> | No pieces or parts missing cracked, bent or broken.  |
| <input type="checkbox"/> | Wheels move freely.  |
| <input type="checkbox"/> | Elevating mechanism works smoothly and properly.   |
| <input type="checkbox"/> | None of the ironwork is coming loose.  |
| <input type="checkbox"/> | Tube rotates freely on its trunnions   |
| <input type="checkbox"/> | Trunnion caps fit snugly and are properly keyed.   |
| <input type="checkbox"/> | Lids of side boxes fit snugly. (If carriage mounted)   |
| <input type="checkbox"/> | Wood generally free of serious checking and splintering.   |
| <input type="checkbox"/> | Wheel hub does not gouge the end of the axletree.  |
| <input type="checkbox"/> | Linchpin is not digging into wheel hub.  |
| Equipment:               |  |
| <input type="checkbox"/> | All necessary equipment is present.  |
| <input type="checkbox"/> | Sponge is in good condition and fitted to the bore.  |
| <input type="checkbox"/> | Rammer head is secure and free of cracks.  |
| <input type="checkbox"/> | Prongs of the worm are sharp, not bent, fitted to bore.  |
| <input type="checkbox"/> | Smaller items in good condition (linstock, thumbstall, buckets, etc.)  |

| Limber/Ammunition Box:      |   |
|-----------------------------|---|
| <input type="checkbox"/>    | The accessory equipment is in good condition-- Gunners haversack, Tube pouches, Thumbstall, Priming wire, Vent brush, Gloves, Gimlet, Pliers, etc |
| <input type="checkbox"/>    | Limber boxes, haversacks, and pouches, etc., are clean and free of spilled powder. *  |
| <input type="checkbox"/>    | Ammunition is properly prepared, with enough on hand for demonstration. **  |
| <input type="checkbox"/>    | The equipment is on hand to handle a misfire.   |
| <input type="checkbox"/>    | Required number of personnel is present to safely tend the box & ammunition.  |
| <input type="checkbox"/>    | The limber/box is situated safely in relation to the visitors. The re-enactors can see all of the visitors are at a safe distance.                |
| <input type="checkbox"/>    | The carriage is secure and solid from movement.   |
| <input type="checkbox"/>    | The ammunition boxes are at a safe distance from the piece(s), at correct intervals, as well as from the spectators.***                           |
| <input type="checkbox"/>    | Conditions are not so dry as to risk a range fire from the muzzle blast. Equipment is available should one develop.                               |
| <input type="checkbox"/>    | There is a first aid kit and emergency communications available.  |
| <input type="checkbox"/>    | There are no open fires nearby--campfires, etc.   |
| <input type="checkbox"/>    | All Primers are properly stored in fire retardant cases & in proper storage area.   |
| Other Safety Considerations |   |
| <input type="checkbox"/>    | Spectators no closer than 50' to the side or behind the piece or ammunition chest, whichever is greater.  |
| <input type="checkbox"/>    | Clear firing area downrange of not less 110 yards.  |
| <input type="checkbox"/>    | Multiple pieces spaced 50' apart.   |
| <input type="checkbox"/>    | Fire extinguisher w/in 25' of ammo chest  |
| <input type="checkbox"/>    | No smoking within 50' of ammo chest.  |

- \* Storage tubes may be used to help prevent spilled powder in limber boxes. The use of these tubes shall not be required if loads are well made and the box is clean and free of powder.
- \* Blank loads of 3 oz. per inch are a recommended starting point only! Bores smaller than 2.5 will use less and bores larger than 3.75" may require more than 3 oz. per inch. Large guns often require more powder to make a longer round that will not butterfly down the bore. The rule of 3 oz. per inch as a max is for some live-fire applications and should only be used in modern guns made for live firing.
- \*\*\*Black powder storage, outside of the quantities stored in the limber chest for the immediate demonstration, shall be stored not less than 100' feet from the site. Storage quantities exceeding 50 lbs shall be stored in an approved magazine.

***Information on this form was obtained from the National Civil War Artillery Association, artillery inspection checklists, drill manuals, and other sources. Any party engaging in activity is responsible for ensuring safety, obtaining training, and are responsible for all damages and injuries.***